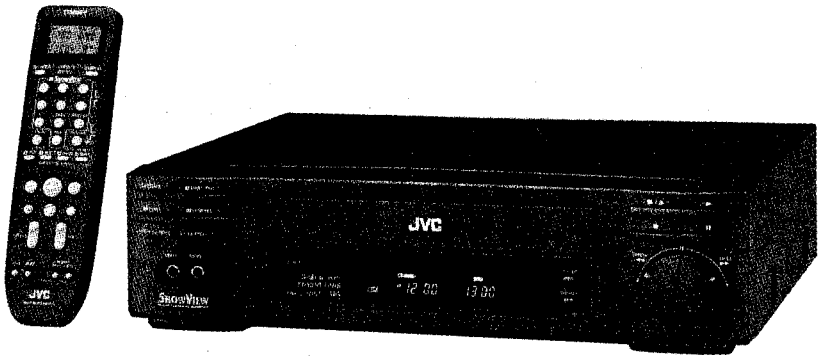
JVC

VIDEO CASSETTE RECORDER

HR-J405E/EG



SHOWVIEW VHS PAL

SPECIFICATIONS

GENERAL

Power requirement		: AC 220 – 240 V~, 50/60 Hz
Power consumption		: 19 W
Temperature		
	Operating	: 5°C to 40°C
	Storage	: –20°C to 60°C
Dimensions (WxHxD)		: 360 x 94 x 310 mm
Weight		: 4.3 kg
Format		: VHS PAL standard
Maximum recording time	(SP)	: 240 min. with E-240 video cassett
	(LP)	: 480 min. with E-240 video cassett

VIDEO/AUDIO

Signal system	: PAL-type colour signal and CCIR monochrome signal, 625 lines/50 fields
Recording system	: Rotary two-head helical scan system with slant double-azimuth combination video heads
Signal-to-noise ratio	: 43 dB (Rohde & Schwarz noise meter)
Horizontal resolution	: 250 lines
Frequency range	: 70 Hz to 10,000 Hz
Input/Output	: 21-pin scart connector
	: RCA connectors (input only)

TUNER/TIMER

Channel coverage	: VHF 47 – 89/104 – 300/ 302 – 470 MHz
	UHF 470 – 862 MHz
Aerial output	: UHF channel 36 (Adjustable 32 – 40)
Memory backup time	: Minimum 3 min.

ACCESSORIES

Provided accessories	: Aerial cable, Infrared remote control unit, "R6" battery x 2, AC power cord

Specifications shown are for SP mode unless otherwi specified.
Design and specifications subject to change without notice.

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INSTRUCTIONS (EXTRACT)

Safety Precautions

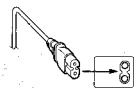
The rating plate and the safety caution are on the rear of the unit.

WARNING: DANGEROUS VOLTAGE INSIDE
WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

The OPERATE button does not completely shut off mains power from the unit, but switches operating current on and off.

This unit is produced to comply with Directives 75/889/EEC, 82/499/EEC, 87/308/EEC and Standard IEC Publ. 65.

CAUTION



- To avoid electric shock or damage to the unit, first firmly insert the small end of the AC power cord into the recorder until it is no longer wobbly, and then plug the larger end of the AC power cord into an AC outlet.
- When you are not using the recorder for a long period of time, it is recommended that you disconnect the power cord from the AC outlet.
- Dangerous voltage inside. Refer internal servicing to qualified service personnel. To prevent electric shock or fire hazard, remove the power cord from the AC outlet prior to connecting or disconnecting any signal lead or aerial.

WARNING
There are two different types of SECAM colour systems: SECAM-L, used in FRANCE (also called SECAM-West), and SECAM-B, used in Eastern European countries (also called SECAM-East).

1. This recorder can also receive SECAM-B colour television signals for recording and playback.
2. Recordings made of SECAM-B television signals produce monochrome pictures if played back on a video recorder of SECAM-L standard, or do not produce normal colour pictures if played back on a PAL video recorder with SECAM-B system incorporated (even if the TV set is SECAM-compatible).
3. SECAM-L prerecorded cassettes or recordings made with a SECAM-L video recorder produce monochrome pictures when played back with this recorder.
4. This recorder cannot be used for the SECAM-L standard. Use a SECAM-L recorder to record SEMAN-L signals.

IMPORTANT:
- It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.
- Please read the "Precautions" section of this instruction manual before installing or operating the recorder.

Video tapes recorded with this video recorder in the LP (Long Play) mode cannot be played back on a single-speed video recorder.

VHS HQ

- Only cassettes marked "VHS" can be used with this video recorder.
- HQ VHS is compatible with existing VHS equipment.

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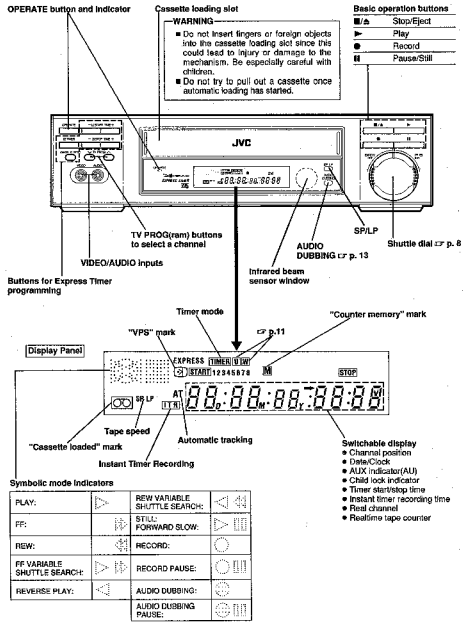
Controls And Indicators

Front Panel



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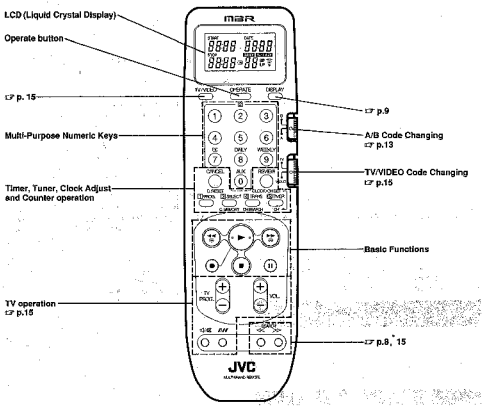
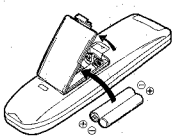
Controls And Indicators (cont'd)

Wireless Remote Control



Installing Batteries

1. Open the battery compartment cover.
2. Insert 2 "R6"-size batteries (provided) in the correct directions.
3. Replace the cover.

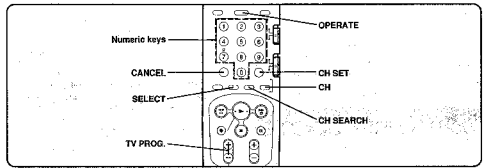


How To Use

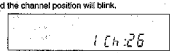
The remote control can operate most of your video recorder's functions, as well as basic functions of TV sets of JVC and other brands. ☞ p. 15.

- Point the remote control toward the sensor window.
- The maximum operating distance of the remote control is about 8 m.

Setting The Tuner



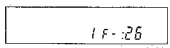
1. **Press OPERATE.**
2. **Press CH SET.**
3. **Press CH SEARCH to start automatic scanning for receivable channels.**
   - Automatic scanning stops when a broadcast is detected, and the channel position will blink.



Ch = Regular CC = Cable

- If you don't want to store the broadcast detected, simply press CH SEARCH to continue automatic scanning.

4. **Press SELECT to fine-tune the channel, if necessary.**
   - When the picture is clear, proceed to step 7.
5. **Press TV PROG. +/– so that the picture becomes clear.**



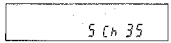
6. **Press SELECT.**
7. **Press numeric keys or TV PROG. to select the channel position where you wish to store that broadcast.**
8. **Press CANCEL to store the channel.**
   - The colon will disappear.
9. **Repeat steps 3 through 8 for other receivable channels.**

NOTE:

- Be sure to proceed to the next step with 60 seconds, otherwise the Channel Set mode will be cancelled automatically. If this happens and you wish to continue channel setting, press CH SEARCH again. Channel scanning will resume, beginning with the next receivable channel.

TO DELETE STORED CHANNELS

1. Press TV PROG. to select the channel position you want to skip.
2. Press CH SET.



3. Press CANCEL.

- Channel position 5 can no longer be chosen by TV PROG. buttons.

TO STORE NEW CHANNELS

1. Press CH SET.
2. Press CH.
   - Real channel starts blinking.
3. Press CH to change the band between Ch and CC, if necessary.
4. Press numeric keys to input the number of the real channel you want to store.
5. Press numeric keys to input the number of a vacant channel position.
6. Press CANCEL to store the channel.

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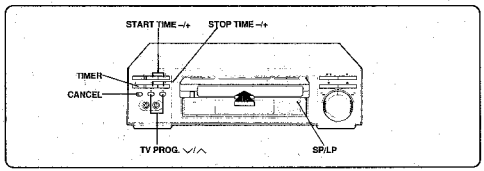


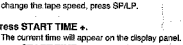
The "Express Timer" is the quickest method of programming your video recorder's timer. TV shows to be broadcast within 24 hours can be programmed for automatic recording simply by pressing three buttons (conveniently numbered) on your recorder's control panel.

TIMER PROGRAMMING IS NOT POSSIBLE UNLESS THE CLOCK HAS BEEN SET.

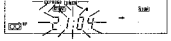
Preparation

Insert a cassette with the safety tab in place.
- The recorder power will come on automatically.
- The display panel will show the channel being received.
- To change the channel, press TV PROG.
- To change the tape speed, press SP/LP.

1. **Press START TIME +.**
   - The current time will appear on the display panel.
2. **Press START TIME +/– to set the start time.**
   - START TIME + (STOP TIME +) advances the time and START TIME – (STOP TIME –) reverses the time.
   - Press briefly to change by 1 minute. Hold the button down to change by 30-minute increments.



   - After the start time is set, the date (today or tomorrow) and channel will be displayed for 3 seconds.
3. **Press STOP TIME +.**
   - The start time will be transferred over to the stop time position.
4. **Press STOP TIME +/– to set the stop time.**



5. **Press TIMER.**
   - The recorder will enter the Timer mode and power will go off.

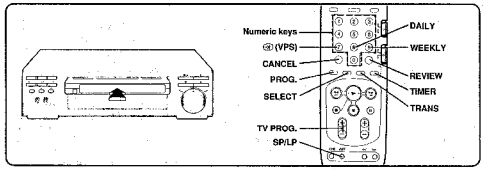
TO CANCEL THE PROGRAM

While timer programming, press CANCEL.
- Pressing CANCEL again disengages the Timer Program mode.

TO CHECK PROGRAMMED SETTINGS

While in the Timer mode, press START TIME + to check the settings you have programmed. DO NOT press START TIME + while the Timer mode is cancelled because this will clear the programmed data for a new entry.

To use the recorder after setting to the Timer mode, ☞ p.11

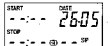


The LCD timer programming lets you input all necessary settings at the remote control and transfer them to your recorder at the touch of a button.

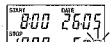
Preparation

Insert a cassette with the safety tab in place.
- The recorder power will come on automatically.

1. **Press PROG.**
2. **Press numeric keys to input the date.**



   Ex.: For 26th May, press 2 6 0 5.
3. **Press numeric keys to input the start time, stop time and channel.**



   Ex.: For 6:00, press 0 8 0 0.

   WEEKLY program: After inputting the channel, press numeric key "9".

   DAILY program: After inputting the channel, press numeric key "8".
   - Normally, you should leave (8) on so you can take advantage of VPS recording*. If you wish to cancel VPS, press (0) (the numeric key "7").
4. **Press SP/LP to select the tape speed.**
5. **Press TRANS with the remote control directed to the recorder's Remote Sensor window.**
6. **Press TIMER.**
   - The recorder will enter the Timer mode and power will go off.

*"E" version models have no VPS capability. If your recorder is an "E" model, please disregard all references to VPS.

TO MAKE CORRECTIONS

- During steps 2 and 3, press CANCEL to backspace and input new data.
- After setting the channel in step 3, press SELECT to make the item you want to change blink, and input new data.
- Pressing PROG. clears the programmed data.

TO CHECK, CANCEL AND REPLACE PROGRAMS

To check preset programs:
1. Press REVIEW until the program settings are displayed on the display panel.
   - Program 1 is displayed with the number blinking.
2. Press SELECT to review the program contents in succession.
3. To check another program, press REVIEW again.

To cancel the program:
4. Press CANCEL.
   - You can press CANCEL at any stage while the program is open.

To replace a program:
5. Use the SELECT and TV PROG. buttons to input new data.

TO USE THE RECORDER AFTER SETTING TO THE TIMER MODE

For safety, your recorder disables all other functions while in the Timer mode.
- Press TIMER to disengage the Timer mode.
- To re-engage the Timer mode, press TIMER.

Timer-Recording (cont'd)

Error Indications

The following error indications may appear on the recorder when you press the TIMER button to engage the Timer Standby mode. Here's why, and what you should do.

■ "TIMER" and "CTR" on the display panel continue blinking.
WHY: There is no cassette in the recorder.
WHAT TO DO: Insert a cassette.

■ The cassette is automatically ejected. "TIMER" and "CTR" continue blinking.
WHY: The inserted cassette has its safety tab removed.
WHAT TO DO: Insert a cassette with its safety tab intact. Or cover the safety tab hole of the cassette with adhesive tape and reinsert it. ☞ p.6.

■ "TIMER" blinks for 10 seconds and the Timer Standby mode is cancelled.
WHY: There are no preset programs in memory, or they have all been incorrectly preset.
WHAT TO DO: Check the programmed data and re-program it as necessary. Press TIMER again.

Other Indications

■ "TIMER" steady lit (with clock display).
WHY: The recorder is in the Timer Standby mode. This is the normal display you should see when you press the TIMER button.

■ " ○ " and "TIMER" steady lit
WHY: Normal display while timer-recording is in progress.

■ The cassette was ejected, with power off and "TIMER" and "CTR" are blinking.
WHY: This means that the end of the tape was reached while timer-recording was in progress. Therefore, the preset program may not be recorded in its entirety.

■ "0:00" blinking.
WHY: This means the clock must be set. It's displayed when time-keeping is terminated due to a power failure or because the recorder's power plug was pulled from the AC outlet.
WHAT TO DO: Set the clock. ☞ p.6.
■ If power was interrupted, it's also likely that all preset timer programming data has been erased. Please check and re-program as necessary.

■ "– – – – – –" is displayed for about 5 seconds when the TRANS button is pressed.
WHY: Data was not successfully transferred. The program may have been incorrectly preset, or the recorder's clock has not been set, or all the recorder's timer programs (1 – 7) are preset.
WHAT TO DO: Check the LCD program, and re-program as necessary. Transfer the correct data. Or cancel unnecessary programs, and transfer again.

Other Functions

Repeat Playback

During Playback:
1. Press Play for more than 5 seconds, and release.
   ■ The Play indicator (▷) on the display panel will blink slowly.
   ■ The tape will be played 20 times automatically, and then stop.

Counter Memory

During Playback:
1. Press DISPLAY until a counter reading appears on the display panel.
2. Press C.RESET at a point you wish to locate later.
   ■ The counter will read "0:00:00".
3. Press C.MEMORY.
   ■ The M indicator will light on the display panel.
4. When you wish to return to that point, press Stop and then Rewind.
   ■ The tape will rewind and stop at about "0:00:00" automatically.
5. To cancel the Counter Memory mode, press C.MEMORY again.

Next Function Memory

For automatic start of playback after the tape is rewound:
1. Press Rewind.
2. Press Play within 2 seconds.

For automatic power off after the tape is rewound:
1. Press Rewind.
2. Press OPERATE within 2 seconds.

For automatic timer standby after the tape is rewound:
1. Press Rewind.
2. Press TIMER within 2 seconds.

Locking The Recorder's Controls

To avoid unwanted operation and prevent accidental recording...
1. Press the remote control's OPERATE button to turn the recorder's power off. Keep this button pressed for about 2 more seconds after the power LED indicator has gone off.
   ■ The Child Lock indicator (–) will appear on the display panel.
2. Child Lock is cancelled when you switch the recorder's power on with the remote's OPERATE button.
   ■ Pressing the TIMER button during timer-recording also cancels the Child Lock mode.

NOTES:
■ While Child Lock is engaged, make sure you keep your remote control in a safe place inaccessible to children.
■ Timer-recording is possible in the Child Lock mode. After timer-recording is done, Child Lock remains in effect.

Remote A/B Code Switching

The remote control is capable of controlling two JVC video recorders independently; one set to respond to your remote control's A code control signals and another set to respond to B code control signals. The remote control is preset to send A code signals because your video recorder is initially set to respond to A code signals. You can easily modify your video recorder to respond to B code signals.
1. Unplug the recorder's power cord from the AC outlet.
2. Set the A/B CODE switch to B.
3. Plug the power cord back into the AC outlet. Do not use other remote controls at this stage.
4. Turn the recorder power on using the remote control's OPERATE button. The recorder will now only respond to B code signals.

NOTE:
Some TV sets may malfunction in response to the B mode. If this happens switch back to the A mode.

VPS Recording ("EG" Version Only)

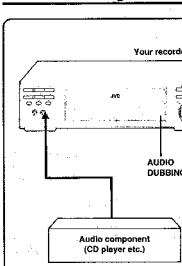
Available from some TV stations, VPS (Video Program System) is a service which assures accurate timer recording. Special code signals are transmitted so your recorder starts and stops recording when the preset TV programmes actually start and end — even if there is a schedule change. If your video recorder is an "EG" model, a VPS decoder is built-in. With "E" models, VPS recording is not possible. The following applies to "EG" models only.

TO USE VPS SERVICE
■ You do not have to cancel "VPS" even for non-VPS programmes, because those programmes will be recorded at the preset times.
■ If you wish to cancel "VPS", press the ⑪ button (the numeric key "7") on the remote control just before transferring the programmed data to the recorder. The ⑪ mark on the LCD will go out.

To Watch A Compact VHS Tape

Compact VHS camcorder recordings (PAL) can be played on your video recorder. Place the recorded cassette into a C-P6 Cassette Adapter and it can be used like any full-sized VHS cassette.

Audio Dubbing



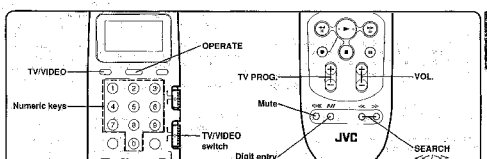
Audio dubbing replaces the audio sound of a previously recorded tape with a new soundtrack.

Preparation
Connect an audio component to the recorder's front panel AUDIO input connector.

1. Select the recorder's external input mode by pressing numeric key "0". "AU" will appear instead of a channel number.
2. Start playback and engage the Still mode at the point from which you wish to start audio dubbing.
3. Press AUDIO DUBBING.
4. Start playback of the audio source, and then press PLAY.
   ■ Audio dubbing will start.
5. Press PAUSE/STILL to stop audio dubbing temporarily.
6. Press STOP to stop audio dubbing.

NOTES:
■ Audio dubbing will stop automatically at the counter reading of "0:00:00", and the recorder will enter the Play mode. Check the counter before starting audio dubbing.
■ Connections made to the front panel Video and Audio input automatically override the rear panel AUDIO/VIDEO input connection.

Using The Remote Control For TV Operation



TV Code Setting

Your remote control can operate the basic functions of your TV set. In addition to JVC televisions, other manufacturers' televisions listed on the right can also be controlled by setting the remote control to "TV". If your television is a JVC (Code 1), you don't have to set the TV code in step 2.

1. Set the TV/VIDEO switch to "TV".
2. While holding down the OPERATE button, press the numeric keys corresponding to the code number for your TV's brand.
   - Press OPERATE to turn the TV power on.
   - Press TV/VIDEO to switch the TV between TV and VIDEO (or AV) mode.
   - Press TV PROG. to select the TV's channel.
   - Press VOL. to adjust the TV's sound volume.
   - Press Mute to mute the TV's sound.
3. To operate your recorder, set the TV/VIDEO switch back to "VIDEO".

NOTE:

- The TV PROG. button does not function with televisions using Code 2.
- The TV/VIDEO button does not function with televisions using Code 3.
- With some televisions, the OPERATE button functions only to turn the TV power off, and the TV/VIDEO button functions only to switch the TV to the VIDEO (AV) mode.
- Whenever you replace batteries in the remote control, it is necessary to re-set the TV code if your television is not a JVC TV.

IMPORTANT

Although the provided remote control unit is compatible with JVC televisions, as well as many TV models manufactured by others, it is possible that the provided remote control will not work with your TV, or in some instances, will have limited function capability.

CODE	TV BRAND NAME
1	JVC
2	BRANDT, NORDMENDE, SABA, TELEAVIA, TELEFUNKEN, THOMSON
3	FERGUSON
4	PHILIPS
5	BLAUPUNKT, GRUNDIG
6	SONY
7	PANASONIC
8	PANASONIC
9	GRAETZ, ITT, LUXOR, SALORA, SELECO

To Control Your Television With Additional Buttons

The numeric keys can also be used to select the TV's channel by setting the remote control to the TV mode.

1. Set the TV/VIDEO switch to "TV".
2. Use the numeric keys and the Digit entry button or the SEARCH <</>> buttons to select the TV's channel.
   - With televisions using Code 1, 3, 4, 6, 7 or 8 the Digit entry button corresponds to the 1-digit/2-digit entry switching button (often labelled -/--) of your TV's remote control.
   - With televisions using Code 1, 5 or 0, the SEARCH >> button corresponds to the 10 + button, and the SEARCH << button, to the 20 + button of your TV's remote control.

NOTE:

The way these buttons are used is determined by your TV. Use these buttons as instructed for your TV's remote control.

Precautions

Please follow these safety precautions. Not doing so may result in damage to the recorder, remote control, or video cassette.

- **Avoid extreme heat and direct sunlight.**
- **Avoid extreme cold.**
- **Avoid extreme humidity.**
- **Avoid dust.**
- **Avoid places subject to vibrations.**
- **Avoid strong magnetic fields.**
- **Do not block the recorder's ventilation openings.**
- **Do not place anything heavy on the recorder or remote control.**
- **Do not place anything which might spill on top of the recorder or remote control.**
- **Do not place the recorder on cushions, pillows, or thick carpeting.**
- **Use the recorder in a stable, horizontal position only.**

Beware of moisture condensation

Moisture in the air will condense on the recorder when you move it from a cold place to a warm place, or under extremely humid conditions — just as water droplets form on the surface of a glass filled with cold liquid. Moisture condensation on the head drum will cause damage to the tape. In conditions where condensation may occur, keep the recorder's power turned on for a few hours to let the moisture dry.

When transporting

- Be sure to remove cassette from recorder before packing.
- Avoid violent shocks to the recorder during packing and transport.

Place cassettes in cassette cases and store vertically.

ATTENTION:

This recorder contains microcomputers. External electronic noise or interference could cause malfunctioning. In such cases, switch the power off and unplug the power cord. Then plug it in again and switch on. Take out the cassette. After checking the cassette, operate the unit as usual.

Special Note On Head Cleaning

Accumulation of dirt and other particles on the video heads may cause the playback picture to become blurred or interrupted. Although this model is equipped with a built-in head cleaner which automatically cleans the heads, reducing the likelihood of dirty heads, if such troubles are encountered please consult the nearest JVC dealer.

Auto Head Cleaner

A built-in head cleaner automatically cleans the video heads and head drum whenever a tape is loaded or unloaded to reduce head clogging.

Specifications

GENERAL

Power requirement	:	AC 220 – 240 V~, 50/60 Hz
Power consumption	:	19 W
Temperature		
Operating	:	5°C to 40°C
Storage	:	–20°C to 60°C
Dimensions (WxHxD)	:	360 x 94 x 310 mm
Weight	:	4.3 kg
Format	:	VHS PAL standard
Maximum recording time (SP)	:	240 min. with E-240 video cassette
(LP)	:	480 min. with E-240 video cassette

VIDEO/AUDIO

Signal system	:	PAL-type colour signal and CCIR monochrome signal, 625 lines/50 fields
Recording system	:	Rotary two-head helical scan system with slant double-azimuth combination video heads
Signal-to-noise ratio	:	43 dB (Rohde & Schwarz noise meter)
Horizontal resolution	:	250 lines
Frequency range	:	70 Hz to 10,000 Hz
Input/Output	:	21-pin scart connector
	:	RCA connectors (input only)

TUNER/TIMER

Channel coverage	:	VHF 47 – 99/104 – 300/ 302 – 470 MHz
		UHF 470 – 862 MHz
Aerial output	:	UHF channel 36 (Adjustable 32 – 40)
Memory backup time	:	Minimum 3 min.

ACCESSORIES

Provided accessories	:	Aerial cable, Infrared remote control unit, *R6 battery x 2, AC power cord

Specifications shown are for SP mode unless otherwise specified.

Design and specifications subject to change without notice.

Safety Precautions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

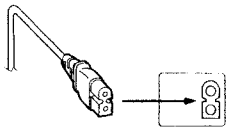
WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

CAUTION:
This video cassette recorder should be used with AC 120V~, 60 Hz only.
To prevent electric shocks and fire hazards, do NOT use any other power source.

CAUTION:
TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

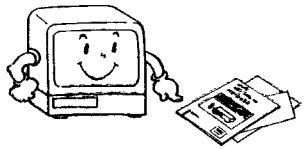
ATTENTION:
POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

CAUTION:



To avoid electric shock or damage to the unit, first firmly insert the small end of the AC power cord into the VCR until it is no longer wobbly, and then plug the larger end of the AC power cord into an AC outlet.

NOTE:
- When you are not using the video recorder for a long period of time, it is recommended that you disconnect the power cord from the AC outlet.
- The rating plate and the safety caution are on the rear of the unit.
- Changes or modifications not approved by JVC could void user's authority to operate the equipment.
- Please read the "Precautions" section of this instruction manual and the "Video Products Safety Guide" enclosed with this manual before installing or operating the VCR.
- This instruction manual, and the other reference materials enclosed with it, contain important information on VCR operation and proper usage. Please keep them near your VCR in a place where you can easily access them for reference.



VHS HQ

- Cassettes marked "VHS" (or "S-VHS") can be used with this video cassette recorder.
- HQ VHS is compatible with existing VHS equipment.

Table Of Contents

How To Use This Instruction Manual

This instruction manual has been designed with both new and experienced users in mind. It begins with an introductory section, "Getting To Know Your VCR", followed by necessary set-up procedures in "Setting Up Your VCR". The next three sections —"Playing A Tape", "Recording On A Tape", and "Recording With The Timer" — take you step-by-step through these basic operations of your VCR. This is followed by "Special Features", in which a variety of your VCR's advanced functions are introduced. "If You Have Any Questions" is the section you should refer to if you experience any problems in VCR operation or if you need additional information regarding a feature or terminology. At the end of the book you will find "Warranty" information and the locations you can contact "For Servicing".

Throughout the book, if you ever need to refer to another page for instructions or information, you will be told so by a ☞ mark pointing to the page number.

Unless otherwise specified, operation buttons mentioned in the instructions refer to those located on the remote control, not those duplicated on the VCR.

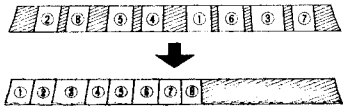
Remember, you must use your VCR correctly to fully enjoy it. Please use this manual effectively. It's the surest and quickest way to unlock the full potential of your new JVC VCR.

Some of your VCR's features

Family Message

It's like a built-in electronic bulletin board.

Random Assemble Editing



Lets you create complete, edited videos at the touch of a button.

Multi-Brand TV-Compatible Remote Control

Compatible with most major brands of televisions.

Getting To Know Your VCR
Your VCR's controls and connectors 4

Setting Up Your VCR
Making the right connections 8
Setting your VCR's clock 10
Assigning channels to your VCR's tuner 11

▶ Playing A Tape 12
● Recording On A Tape 13
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Special Features
For Playback
- To view a still picture • To view a slow-motion picture • To view a fast-motion picture
- To adjust tracking manually
- To play the whole tape repeatedly 16

For Recording
- To set the VCR to shut-off automatically (ITR)
- To watch a program while recording another
- To display the elapsed recording time 17

For Timer-Recording
- To timer-record serials (daily or weekly)
- To cancel a program in the timer
- To use "Auto Timer" 18

For Convenience
- To leave a message on your VCR
- To control a TV set with the VCR's remote 19
- To check the VCR's mode • To reset the tape counter to zero • To return to tape position zero
- To automatically start the "next" function 20

For Editing
- To edit to or from another VCR • To edit from a camcorder 21
- Random Assemble Editing 22

For Other Purposes
- To add a "skipped" channel to your VCR's tuner
- To delete an unwanted channel from your VCR's tuner • To turn the RF switch off 23

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● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. **Insulation resistance test**
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. **Dielectric strength test**
Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. **Clearance distance**
When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

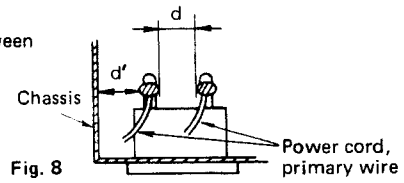


Fig. 8

4. **Leakage current test**
Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).
Measuring Method: (Power ON)
Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts.
Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

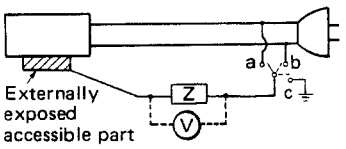


Fig. 9

5. **Grounding (Class I model only)**
Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).
Measuring Method:
Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

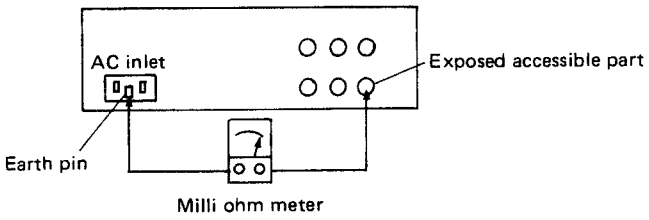


Fig. 10

Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	R≧1 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3 mm
100 to 240 V			AC 1.5 kV 1 minute	d, d' ≧ 4 mm
110 to 130 V	USA & Canada	–	AC 900 V 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R≧10 MΩ /500 V DC	AC 3 kV 1 minute (Class II) AC 1.5 kV 1 minute (Class I)	d ≧ 4 mm d' ≧ 8 mm (Power cord) d' ≧ 6 mm (Primary wire)

Table 1 Specifications for each region

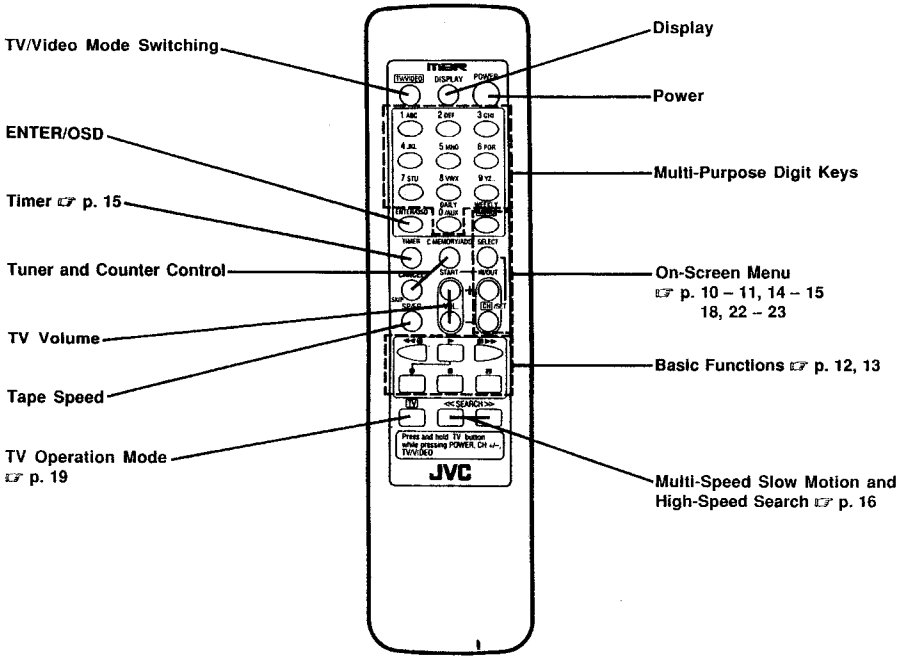
AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	1 kΩ	i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada	0.15 μF, 1.5 kΩ	i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia	2 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Antenna earth terminals
		50 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

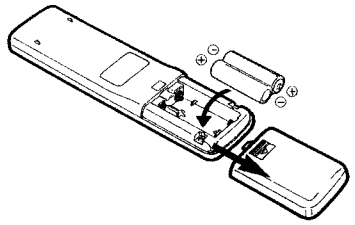
Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

Getting To Know Your VCR (cont'd)

Wireless Remote Control


TV/Video Mode Switching
ENTER/OSD
Timer ☞ p. 15
Tuner and Counter Control
TV Volume
Tape Speed
TV Operation Mode ☞ p. 19
Display
Power
Multi-Purpose Digit Keys
On-Screen Menu ☞ p. 10 – 11, 14 – 15 18, 22 – 23
Basic Functions ☞ p. 12, 13
Multi-Speed Slow Motion and High-Speed Search ☞ p. 16
JVC



Installing Batteries

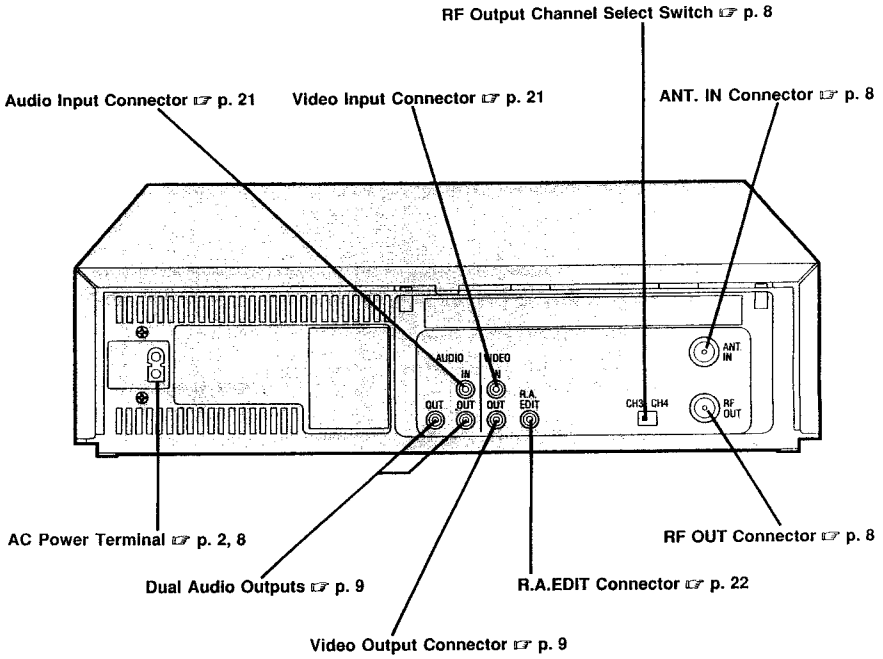
1 Slide the battery compartment cover in the direction of the arrow.
2 Insert 2 "AA"-size batteries (provided) in the correct directions.
3 Replace the cover.

How To Use

This remote control can operate most of your VCR's functions.
1 Point the remote control toward the VCR's sensor window.
2 Press the appropriate operation button.
- The maximum operating distance of the remote control is about 8 m (26 ft).

This remote control can also operate TVs of various brands. For instructions, ☞ p. 19.

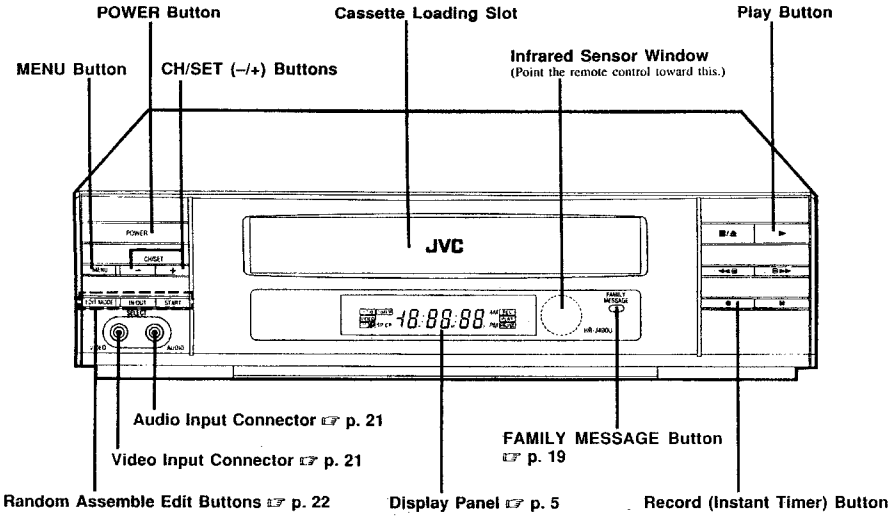
Back Panel



Getting To Know Your VCR

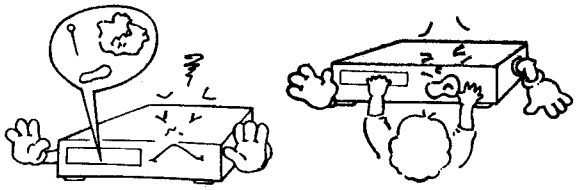
Your VCR's controls and connectors

Front Panel

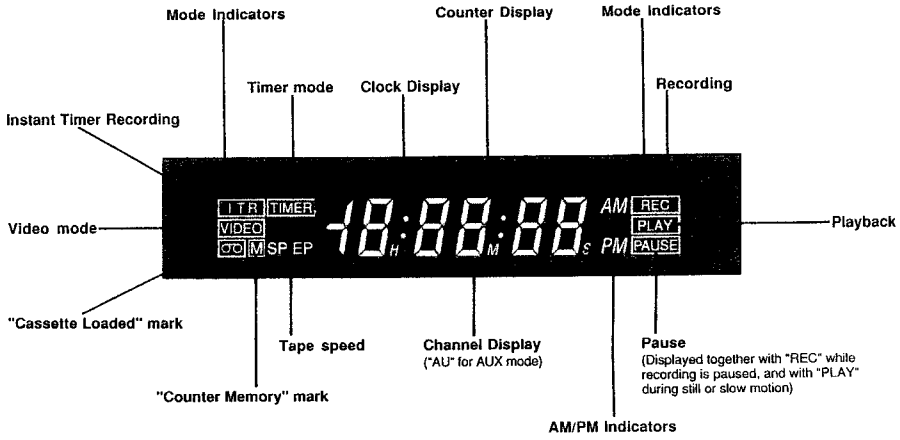


WARNING

- Do not insert fingers or foreign objects into the cassette loading slot since this could lead to injury or damage to the mechanism. Be especially careful with children.
- Do not try to pull out a cassette once automatic loading has started. This could cause injury or damage the mechanism.



Display panel

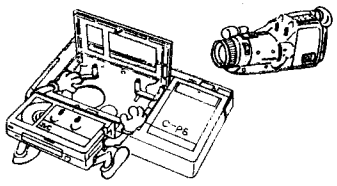


- Pressing DISPLAY lets you change the type of display: Counter, Channel, or Clock.
- Whenever the VCR is turned off, the FDP's brightness is automatically dimmed.

Usable cassettes

Full-Size VHS
T-30 (ST-30**)
T-60 (ST-60**)
T-90
T-120
T-160 (ST-160**)

Compact VHS*
TC-20 (ST-C20**)
TC-30 (ST-C30**)

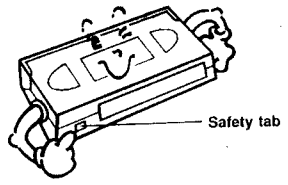


* Compact VHS camcorder recordings can be played on this video recorder. Simply place the recorder cassette into a C-P6 Cassette Adapter and it can be used just like any full-sized VHS cassette.

** This video recorder can record on regular VHS and Super VHS cassettes. However, it will record and play back regular VHS signals only. It is not possible to play back a recorded Super VHS tape.

Accidental erasure prevention

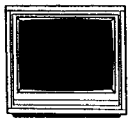
- To prevent accidental recording on a recorded cassette, remove its safety tab. To record on it later, cover the hole with adhesive tape.



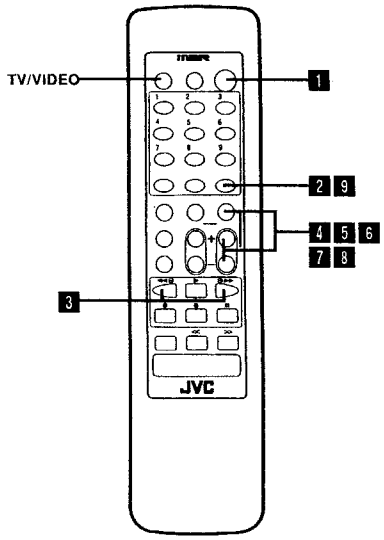
Setting Up Your VCR (cont'd)

Setting your VCR's clock

Since your VCR bases all of its timer recording start and stop "decisions" on the time kept by its built-in clock, accurate setting of this clock is crucial for proper timer-recording results.



POWER ON;
SELECT CHANNEL
3 OR 4 (OR AV MODE)



You can also use the POWER, MENU, REW, FF, SET and SELECT buttons on the VCR.

NOTE:
- When re-adjusting the time, the Timer Program screen will appear in step 2. So press MENU again to display the Initial Set screen.

A TURN ON THE VCR

1 Press POWER.
- If watching on channel 3 or 4, press TV/VIDEO to select the VIDEO mode. The VCR's VIDEO indicator will light.
- If various "Family Message" displays appear on your TV screen, press any button except VOL, TV or POWER to stop them. (☞p.9, 19.)

B ACCESS THE ON-SCREEN MENU

2 Press MENU.
- The Initial Set screen will appear.

3 If you want to change the on-screen language to Spanish, press ◄◄ (Rewind).
- Press ►► (Fast Forward) to change back to English.

C INPUT THE MONTH/DAY/YEAR

4 Press SET to set the month, and then press SELECT.
5 Press SET to set the day, and then press SELECT.
6 Press SET to set the year, and then press SELECT.
- The day of the week will automatically appear.

D INPUT THE TIME

7 Press SET to set the hour (making sure that AM or PM is correct), and then press SELECT.
8 Press SET to set the minutes, then press SELECT.

TO MAKE CORRECTIONS

Press SELECT so that the item you want to change blinks. Reset that item. Continue to step E.

E START THE CLOCK

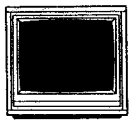
9 Press MENU.
- The VCR's display panel will show the time.

POWER FAILURE INDICATOR

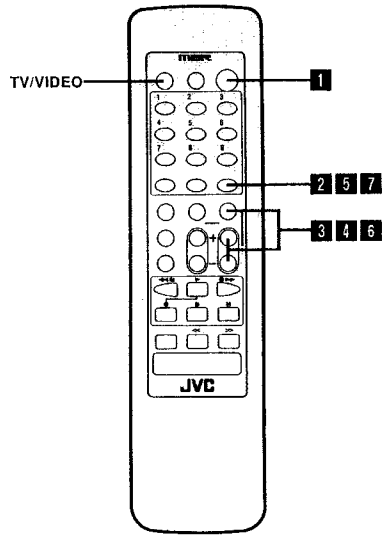
- The clock resets to "12:00 AM" and starts blinking when there has been a power failure. Reset the time to return the clock display to normal.

Assigning channels to your VCR's tuner

The Auto Set feature introduced here automatically assigns receivable channels in your area to the CHANNEL UP/DOWN buttons and skips the others so you won't have to go through any "blank" channels to get to the one you want.



POWER ON;
SELECT CHANNEL
3 OR 4 (OR AV MODE)



You can also use the POWER, MENU, SET and SELECT buttons on the VCR.

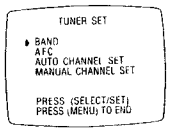
A TURN ON THE VCR

1 Press POWER.
- If watching on channel 3 or 4, press TV/VIDEO to select the VIDEO mode. The VCR's VIDEO indicator will light.

B ACCESS THE ON-SCREEN MENU

2 Press MENU three times.
- The Tuner Set screen should be displayed

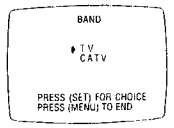
3 Press SET to move the cursor to "BAND", and then press SELECT



C SELECT THE BAND

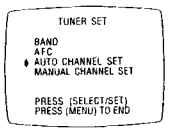
4 Press SET to choose "TV" or "CATV".
- The BAND select feature has 2 settings (TV and CATV). Set to TV if your antenna provides only UHF and VHF channels. Set to CATV if your antenna system is a cable TV line.

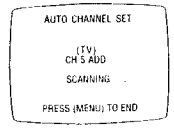
5 Press MENU.



D START AUTO SET

6 Press SET to move the cursor to "AUTO CHANNEL SET", and then press SELECT.
- Auto set is in progress and "SCANNING..." is displayed.
- When available channels are scanned, "ADD" will be displayed on the screen.
- When unavailable channels are skipped, "SKIP" will be displayed.
- After completion of auto set, the lowest tuned-in channel and "SCAN COMPLETED" are displayed.
- If "SCAN COMPLETED — NO SIGNAL —" is displayed, check the band setting and connections, and start again. ☞ p.8, 9.



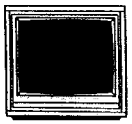


E RETURN TO THE TV SCREEN

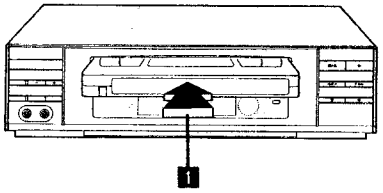
7 Press MENU as many times as necessary.

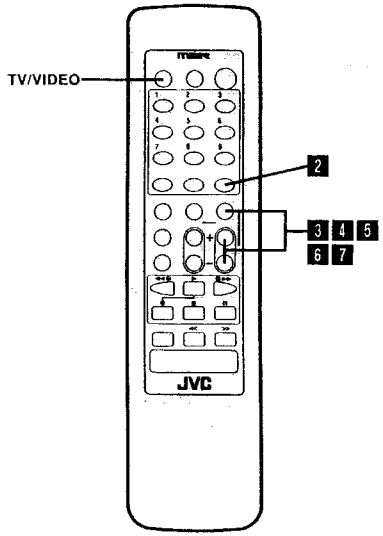
Recording With The Timer

The timer programming method introduced here is the most basic of those possible with your VCR. You can program up to 8 recordings over a one-year period. TIMER PROGRAMMING IS NOT POSSIBLE UNLESS THE CLOCK HAS BEEN SET.



POWER ON;
SELECT CHANNEL
3 OR 4 (OR AV MODE)





You can also use the MENU, SET and SELECT buttons on the VCR.

A LOAD A CASSETTE

1 Insert a cassette with the safety tab in place.
- The VCR power will come on automatically. If watching on channel 3 or 4 be sure that the VIDEO indicator is lit; if not, press TV/VIDEO so that it lights.

B ACCESS THE ON-SCREEN MENU

2 Press MENU.
- The Program Set screen will appear.
- If the clock has not been set, the Initial Set screen will appear. To set the clock, ☞p.10

C SELECT A PROGRAM NUMBER

3 Press SET to move to a vacant program number, and then press SELECT.
- Initially all programs are vacant, and the cursor is at program 1. So simply press SELECT.

PROGRAM 1
DATE --/--
START --:-- AM
STOP --:-- AM
CHANNEL -- SP
PRESS (SELECT/SET)
PRESS (MENU) TO END

D INPUT THE DATE

4 Press SET to set the month, and then press SELECT.
5 Press SET to set the day, and then press SELECT.
- The day of the week will automatically appear.

PROGRAM 1
DATE 2/28 FRI
START --:-- AM
STOP --:-- AM
CHANNEL -- SP
PRESS (SELECT/SET)
PRESS (MENU) TO END

E INPUT THE START TIME

6 Press SET to set the hour (making sure that AM or PM is correct), and then press SELECT.
7 Press SET to set the minutes, and then press SELECT.

PROGRAM 1
DATE 2/28 FRI
START 12:00 PM
STOP --:-- AM
CHANNEL -- SP
PRESS (SELECT/SET)
PRESS (MENU) TO END

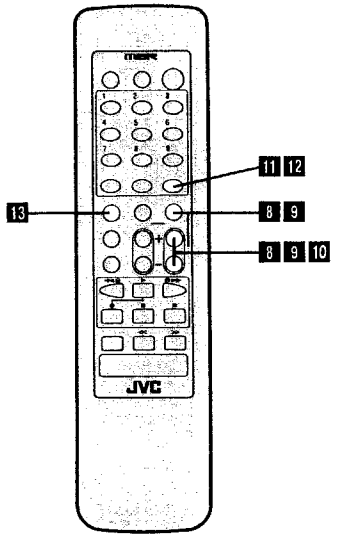
(Continued on next page.)

"ERROR" WARNING

If the start time you input has already passed (i.e. is prior to the present date and time), the VCR will flash "ERROR" on the Program Set screen.

PROGRAM 1
— ERROR —
DATE 3/22 SUN
START 12:30 AM
STOP --:-- AM
CHANNEL -- SP
PRESS (SELECT/SET)
PRESS (MENU) TO END

Check if you've input the correct time and date. Remember: late night shows beginning at midnight or later must have the next day's date.



TO DISENGAGE THE TIMER

For safety, when AUTO TIMER is "OFF", your VCR disables all other functions while in the timer mode.
- To use your VCR, first disengage the timer mode by pressing TIMER again. Now all functions will be operable.
- To re-engage the timer, press TIMER.

F INPUT THE STOP TIME

8 Set the stop time in the same way as you set the start time in step E.

PROGRAM 1
DATE 2/28 FRI
START 12:00 PM
STOP 1:00 PM
CHANNEL -- SP
PRESS (SELECT/SET)
PRESS (MENU) TO END

G INPUT THE CHANNEL NUMBER

9 Press SET to set the channel number, and then press SELECT.

PROGRAM 1
DATE 2/28 FRI
START 12:00 PM
STOP 1:00 PM
CHANNEL 125 SP
PRESS (SELECT/SET)
PRESS (MENU) TO END

H SET THE TAPE SPEED

10 Press SET to choose SP or EP.

PROGRAM 1
DATE 2/28 FRI
START 12:00 PM
STOP 1:00 PM
CHANNEL 125 EP
PRESS (SELECT/SET)
PRESS (MENU) TO END

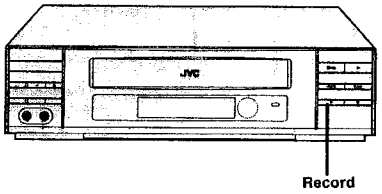
I RETURN TO THE TV SCREEN

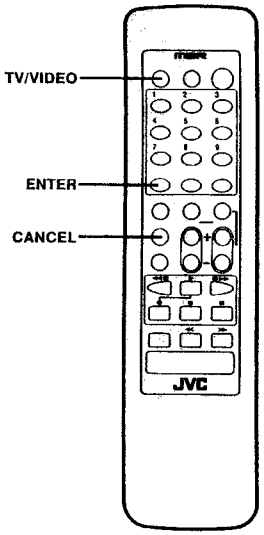
11 Press MENU. (Leave AUTO TIMER "OFF" for now.)
12 Press MENU again.

J SET TO TIMER MODE

13 Press TIMER.
- The VCR will enter the timer mode and power will go off.

For AUTO TIMER and other timer programming features, ☞ p.18.
For other error indications, ☞ p.25.





For Recording

To set the VCR to shut-off automatically (Instant Timer Recording)

During Recording...

1. Press the VCR's Record button. The "ITR" indication blinks and "0:30" appears, advising that power will switch off after 30 minutes.

2. Press Record again to delay the off-time by 30-minute increments (up to 9 hours).

- This function is available only using the Record button on the VCR.
- After the off-time is set, the display returns to the previously displayed mode (counter, channel or clock).
- You can check the time remaining before the VCR shuts off by pressing Record once; the remaining time is displayed for 5 seconds. (Pressing Record more than once will delay the shut-off time.)

To watch a program while recording another

During Recording...

1. Press TV/VIDEO. The VCR's VIDEO indicator and the TV broadcast being recorded will disappear.
2. Use the channel controls on the TV to select the other channel you wish to view.

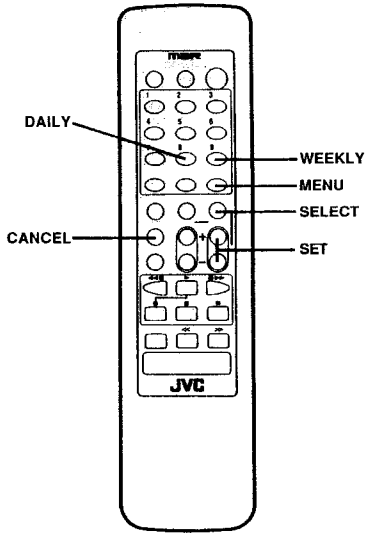
- The program selected with the TV channel controls will appear on the TV screen while the one selected with the VCR channel controls will be recorded on the tape.

To display the elapsed recording time

Before starting recording...

1. Press CANCEL.
   - The counter will be reset to "0H 00M 00S", and will show the exact elapsed time as the tape runs.
2. After starting recording, press ENTER at any time to check the elapsed time on the TV screen.
3. Press ENTER again to clear it from the screen.

Special Features (cont'd)



For Timer-Recording

To timer-record serials (daily or weekly)

1. Finish steps A – D in "INPUT THE DATE" (☞p.14).
2. Press DAILY (Digit key 8).
   - "DAILY" will appear. This records a TV show everyday (Monday through Friday) at the same time.

Or...

2. Press WEEKLY (Digit key 9).
   - "WEEKLY" will appear. This records a TV show once a week (example: every Sunday) at the same time.

3. Set the start time, stop time, channel and tape speed. ☞ p.14-15, steps E-J.

To cancel a program in the timer

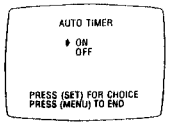
Make sure the timer mode is disengaged first. Then...

1. Press MENU.
2. Press SET to reach the program you wish to cancel.
3. Press CANCEL to erase the program displayed on the screen from memory.
   - Repeat steps 2 and 3 as necessary.
4. Press MENU as many times as necessary to exit.

To use "Auto Timer"

What this feature does: Usually, the timer mode is not engaged unless the TIMER button is pressed. But with AUTO TIMER set to ON, the timer mode is automatically engaged when the VCR's power is turned off, and is disengaged whenever VCR power is turned on again.

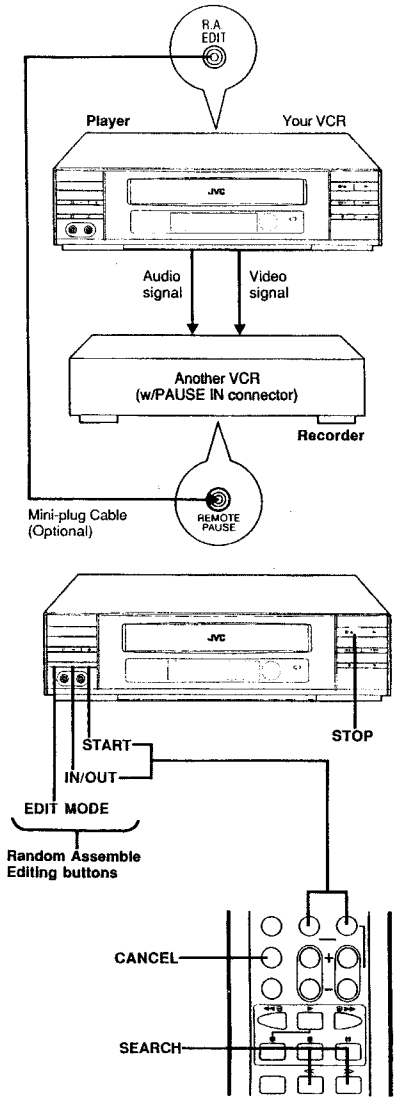
1. During step "I" of "Recording With The Timer" (☞ p.15), press SET to choose "ON", and press MENU.



Or...

1. Press MENU four times (to access the Function Set screen).
2. Press SET to move the cursor to "AUTO TIMER", and then press SELECT.
3. Press SET to choose "ON".
4. Press MENU.

Special Features (cont'd)



For Editing (cont'd)

Random Assemble Editing

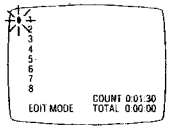
This function makes it easier to create edited videos when your VCR is used as the source player in combination with another video deck which is equipped with a PAUSE (i.e. remote PAUSE IN) terminal. You can pre-program up to 8 scenes or "cuts" for automatic editing in the sequence you have specified.

PREPARATION

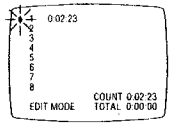
1. Connect your VCR's VIDEO OUT and AUDIO OUT connectors to the recording deck's VIDEO IN and AUDIO IN connectors.
2. Connect your VCR's R.A.EDIT connector to the recording deck's PAUSE connector.
3. Turn both units on.
4. Engage the recorder's AUX(iliary) mode.

OPERATION

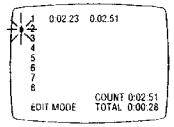
5. Insert a recorded cassette into your VCR.
6. Play back the tape in your VCR.
7. Press the EDIT MODE button.
   - On-screen display is superimposed on the video playback.



8. Use the SEARCH buttons to search for the point where you want an edited scene to start, and press IN/OUT.
   - The cut-in point is registered in memory.



9. Use the SEARCH buttons to search for the point where you want the scene to end, and press IN/OUT.
   - The cut-out point is registered in memory.
   - The "TOTAL" reading displays the total running time of the edited scenes.



10. Specify additional scenes by repeating steps 8 – 9.

If You Have Any Questions

Before requesting service...

Power or Tape Transport Problems?

Symptoms	Check points
No power is applied to the VCR.	• Is the power cord disconnected? — Connect it.
Remote control does not operate the VCR.	• Did you load batteries? — Make sure they're loaded in the correct directions. • Are the batteries discharged? — Replace with fresh batteries.
Clock is functioning properly, but the VCR cannot be powered.	• Is "TIMER" displayed on the display panel? — Press the TIMER button to extinguish the display.
Cassette will not load. Gets stuck and is ejected a few seconds later.	• Are you inserting the cassette correctly? Incorrect insertion causes the built-in safety mechanism to automatically eject the cassette. — Wait a few seconds and re-insert correctly. — Be sure to push the middle of the cassette's label side and be sure the window side is up.
Tape stops during rewind or fast-forward.	• Is the C. MEMORY button pressed? — Press again to make "M" disappear from the counter display.
Tape will not rewind or fast-forward.	• Is the tape already fully rewound or fast-forwarded? — Check the cassette.

Playback Problems?

Symptoms	Check points
Playback picture does not appear while the tape is running.	• If you are using RF OUT connection, is the TV receiver's channel selector set to the correct video channel? — Set it to the RF converter channel (3 or 4). (☞p.8) • If you are using AV connection, is the TV receiver set to the AV mode? — Set it to the AV mode.
Noise appears during visual search.	• This is normal.
Noise appears during normal playback.	• Is the automatic tracking mode engaged? — Try manual tracking. (☞p.16)
Noise appears during slow playback.	— Try manual tracking. (☞ p.16)
Playback picture is blurred or interrupted while TV broadcasts are clear.	• Video heads may be dirty. — Head cleaning is necessary. Consult your JVC dealer (☞ p.28).

Recording Problems?

Symptoms	Check points
Recording cannot be started.	• Is a cassette loaded? • Is the safety tab on the cassette removed? — Reseal the slot with adhesive tape (☞ p. 5)
TV broadcasts cannot be recorded.	• Has "AUX" been selected by mistake? — Set to the desired channel.
Tape-to-tape editing is not possible.	• Is the camcorder or VCR correctly connected? • Are all necessary power switches turned ON? • Has "AUX" been selected? — Set to "AUX". — If using a rear panel input connection, make sure nothing is connected to the front panel connectors. (☞ p. 21)
Camera recording is not possible.	• Is the camcorder correctly connected? • Has "AUX" been selected? — Set to "AUX".

If You Have Any Questions (cont'd)

Specifications

GENERAL

Power requirement	:	AC 120 V~, 60 Hz
Power consumption	:	19 W
Temperature		
Operating	:	5°C to 40°C (41°F to 104°F)
Storage	:	–20°C to 60°C (–4°F to 140°F)
Humidity		
Operating	:	35% to 80%
Storage	:	5% to 80%
Operating position	:	Horizontal only
Dimensions (WxHxD)	:	360 x 94 x 303 mm (14-3/16" x 3-3/4" x 11-15/16")
Weight	:	4.3 kg (9.5 lbs)
Format	:	VHS NTSC standard
Tape width	:	12.65 mm
Tape speed (SP)	:	33.35 mm/sec (1-5/16 ips)
(EP)	:	11.12 mm/sec (7/16 ips)
Maximum recording time (SP)	:	160 min. with T-160 video cassette
(EP)	:	480 min. with T-160 video cassette

VIDEO

Signal system	:	NTSC-type color signal and EIA monochrome signal, 525 lines/60 fields
Recording system	:	Rotary two-head helical scan system with slant double-azimuth combination video heads
Input	:	0.5 to 2.0 Vp-p, 75 ohms, unbalanced
Output	:	1.0 Vp-p, 75 ohms, unbalanced
Signal-to-noise ratio	:	45 dB
Horizontal resolution	:	240 lines

AUDIO

Recording system	:	Longitudinal track
Input	:	–8 dBs, more than 50 k-ohms, unbalanced
Output	:	–6 dBs, less than 1 k-ohm, unbalanced (100 k-ohms, load)
Frequency range	:	70 Hz to 10,000 Hz

TUNER

Tuning system	:	Frequency synthesized tuner
Channel coverage		
(VHF)	:	Channels 2–13
(UHF)	:	Channels 14–69
(CATV)	:	113 Channels
RF output	:	Channel 3 or 4 (switchable; preset to Channel 3 when shipped) 75 ohms, unbalanced

TIMER

Clock reference	:	AC line
Program capacity	:	1-year programmable timer/ 8-programs

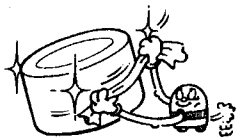
ACCESSORIES

Provided accessories	:	RF cable (F-type), Infrared remote control unit, "AA" battery x 2, AC power cord

Specifications shown are for SP mode unless otherwise specified.
E. & O.E. Design and specifications subject to change without notice.

About head cleaning

Accumulation of dirt and other particles on the video heads may cause the playback picture to become blurred or interrupted. Although this model is equipped with a built-in head cleaner which automatically cleans the heads, reducing the likelihood of dirty heads, if such troubles are encountered please consult the nearest JVC dealer.



A built-in head cleaner automatically cleans the video heads and head drum whenever a tape is loaded or unloaded to reduce head clogging.

For Servicing

HOW TO LOCATE YOUR JVC SERVICE CENTER

TOLL FREE: 1-800-537-5722

Dear customer:
In order to receive the most satisfaction from your purchase, read the instruction booklet before operating the unit. In the event that repair is necessary, or for the address nearest your location, please refer to the factory service center list below or within the Continental United States, call 1-800-537-5722 for your authorized servicer. Remember to retain your Bill of Sale for Warranty Service.

— JVC

JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF US JVC CORP.

FACTORY SERVICE CENTER LOCATIONS

107 Little Falls Road
Fairfield, NJ 07004-2105
(201) 808-9279

1500 Lakes Parkway
Lawrenceville, GA 30243-5357
(404) 339-2522

705 Enterprise Street
Aurora, IL 60504-8149
(708) 851-7855

5665 Corporate Avenue
Cypress, CA 90630-0024
(714) 229-8011

10700 Hammerly, Suite 110
Houston, TX 77043
(713) 935-9331

2969 Mapunapuna Place
Honolulu, HI 96819-2040
(808) 833-5828

230 Eliot Street
Ashland, MA 01721-2377
(508) 881-5923

14505 Commerce Way
Miami Lakes, FL 33016-1512
(305) 362-6252

890 Dubuque Avenue
South San Francisco, CA 94080-1804
(415) 871-2666

Sophisticated electronic products may require occasional service. Just as quality is a keyword in the engineering and production of the wide array of JVC products, service is the key to maintaining the high level performance for which JVC is world famous. The JVC service and engineering organization stands behind our products.

NATIONAL HEADQUARTERS
JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF US JVC CORP.
107 Little Falls Road
Fairfield, NJ 07004-2105

If you ship the product...

Pack your JVC unit in the original carton or one of equivalent size and strength. Enclose, with the unit, a letter stating the problem or symptom that exists and also a copy of the receipt or bill of sale you received when you purchased your JVC unit. Print your home return address on the outside and the inside of the carton. Send to the appropriate JVC Factory Service Center as listed above.

Don't service it yourself.

CAUTION

To prevent electrical shock, do not open the cabinet.
No user serviceable parts inside.
Refer servicing to qualified service personnel.

ACCESSORIES

To purchase accessories for your JVC product, you may contact your local JVC Dealer. Or from the 48 Continental United States call toll free: 1-800-882-2345.